



Top Freezer Refrigerator
Deep Door
Use & Care Guide

85165
85375
85385
TZ19Q
TZ21Q2
TZ21Q
TZI21Q
TZI21Q2
TZ23Q

CONSUMER INFORMATION LINE



AMANA TOLL FREE

1-800-843-0304

Amana
A Raytheon Company

Contents

Installation		Other Features	
Electrical Requirements	2	Decorator Doors	10
Model Identification	3	Normal Operating Sounds	11
Warranty Exclusions		Care and Cleaning	
Temperatures	4	Exterior	12
Removing/Reversing Doors	4	Adhesives	12
Setting Controls	4	Interior	12
Refrigerator Features	5	Adhesives	12
Installing and Using Specific Features	6	Dairy Storage Door	12
Adjustable Cantilever Shelves	6	Second Serving Containers	12
Refrigerated Meat Keeper	6	Deep Door Shelves	12
Bottle Rack	6	Crisper Drawers/Removal	13
Crispers	7	Bottom Glass Removal	14
Egg Storage	7	Odor Removal	14
Adjustable Dairy and Second Serving Shelf		Door Gaskets	14
System	7	Mechanical	14
Deep Door Buckets	8	Condenser Coil	14
Tall Package Retainer	9	Drain Pan	14
Hugger Divider System	9	Light Bulbs	14
Freezer Features		Energy Tips	15
Free-O'-Frost™	9	Vacation Tips	14
Ice Cube Trays	9	Before Calling For Service	15
Ice Service Rack	9	Amana Warranty	18
Automatic Icemaker	9	AmanaASURE™ Extended Service Plan	19
Adjustable Freezer Shelf	10	Amana Consumer Information Line	19
Freezer Shelf Divider	10		
Adjustable Freezer Door Buckets and Shelves	10		
Reversible Freezer Storage Rack	10		

Electrical Requirements

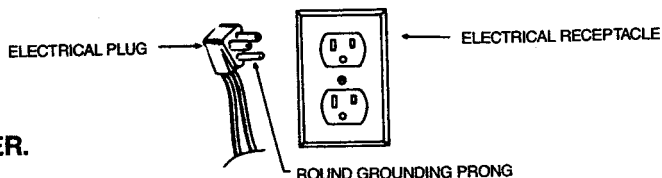
⚠️ RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION

⚠️ WARNING

Electrical Grounding Instructions—This appliance is equipped with a three-prong (grounding) plug for your protection against possible shock hazards. Where a two-prong wall receptacle is encountered, it is the personal responsibility and obligation of the customer to contact a qualified electrician and have it replaced with a properly grounded three-prong wall receptacle in accordance with the National Electrical Code (see figure ??.)

Unit is designed to operate on a separate 103 to 126 volt, 15 amp., 60 cycle line.

DO NOT UNDER ANY CIRCUMSTANCES CUT OR REMOVE THE ROUND GROUNDING PRONG FROM THE PLUG. THE UNIT MUST BE GROUNDED AT ALL TIMES. DO NOT REMOVE WARNING TAG FROM THE SERVICE CORD.



⚠️ WARNING

DO NOT USE A TWO-PRONG ADAPTER.
DO NOT USE AN EXTENSION CORD.

Amana Top Freezer Refrigerator (Deep door models)

Thank you for buying an Amana refrigerator. Your satisfaction with this new product is very important to us. This Use and Care Guide will help you understand how your refrigerator operates...and how to get the most benefit from the features you selected.

Please read this Use and Care Guide thoroughly.

Complete the Registration Card in the packet with this guide and return to Amana's Product Registration Department promptly. If your registration card is missing, call 1-800-843-0304.

If you believe something is operating incorrectly, please read the "Before You Call for Service Section," on pages 15-17. If you still have questions, please call us at 1-800-843-0304. (Weekdays, 8:00 a.m.-4:30 p.m., Central Time.)

Any time you call or write us regarding your refrigerator, have the following information readily available. It is located on a nameplate, found in the upper left-hand front corner of the refrigerator section. Take a moment to fill in the information so you have it handy!

Serial No. _____
Model No. _____
Manufacturing No. _____

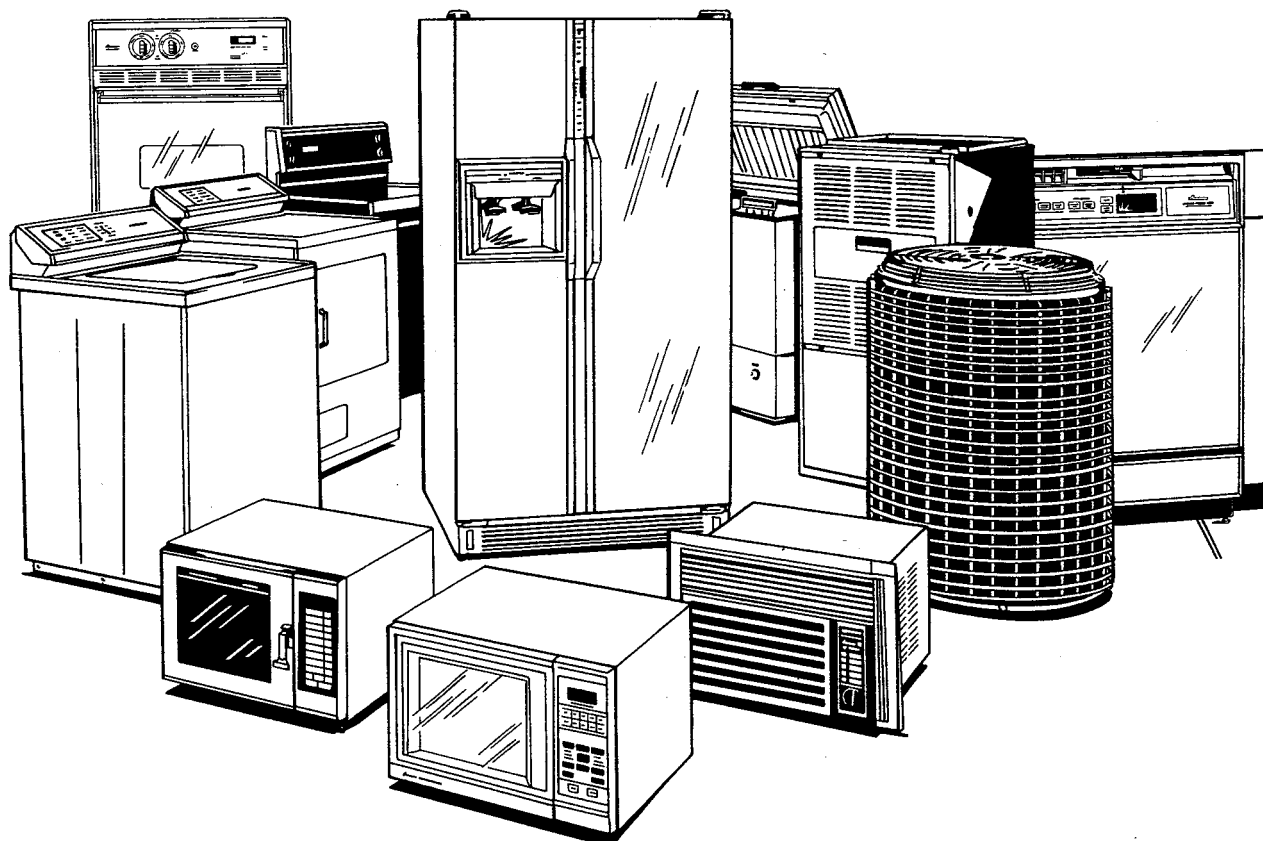
Please also record:

Date of purchase: _____
Selling dealer: _____
Dealer address: _____

Keep a copy of your sales receipt for future reference, in case warranty service is required.

Did you know Amana offers a complete line of kitchen and laundry appliances...freezers, ranges, cooktops, wall ovens, microwave ovens, dishwashers, washers, and dryers? We also manufacture a complete selection of high efficiency gas furnaces plus both central and room air conditioners. We hope you'll consider Amana the next time you need one of these products.

Enjoy your new refrigerator.



Warranty Exclusions

Temperatures

This refrigerator/freezer is designed to operate in room temperatures no lower than 55°F (13°C). In lower room temperatures the compressor will not run enough to maintain proper refrigerator temperatures. Do not install in an area where temperatures drop below 55°F (13°C).

Amana Refrigeration, Inc. will not pay warranty claims caused by improper installation.

Setting The Controls

Temp-Assure™ thermostatic control

This control, located on upper back wall of refrigerator section, operates independently of freezer control. A hidden thermostatic sensor measures refrigerator air temperature constantly, and automatically lets in more cold air if temperature rises as little as 1½°F (.8° C) from setting.

Refrigerator and freezer controls

- a. Locate refrigerator and freezer controls at inside back top of refrigerator section. See Figure 1.

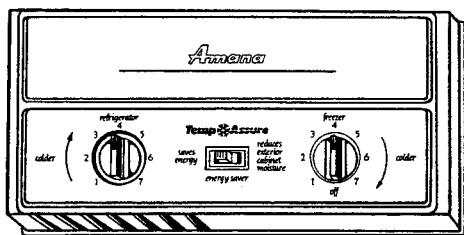


Figure 1.

- b. When controls are set to "OFF", neither refrigerator or freezer sections will cool.
c. Start by setting both controls to "4". After 24 hours, adjust as desired.
"1" is warmest setting
"7" is coldest.
d. If you want to set temperatures more precisely, use a household thermometer that includes temperatures between -5° to +50°F (-20.5° to +10°C). These can normally be purchased at a hardware store.
e. In freezer section, put thermometer snugly between frozen food packages. See Figure 2.

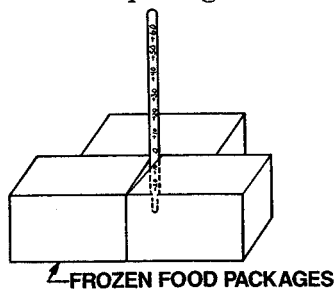


Figure 2.

Removing and Reversing Doors

Contact an authorized professional installer, trained by Amana to:

- Remove refrigerator and freezer doors.
- Reverse doors to change door swing.
- Install ice maker.

- f. Wait 5-8 hours. If temperature is not 0° to 2°F. (-18° to -17°C), adjust control, one number at a time. Check again after 5-8 hours.
g. In refrigerator section, place thermometer in a glass of water and place in middle of refrigerator. Wait 5-8 hours. If temperature is not 38° to 40°F (+3° to +4°C), adjust the control, one number at a time. Check again after 5-8 hours. See Figure 3.

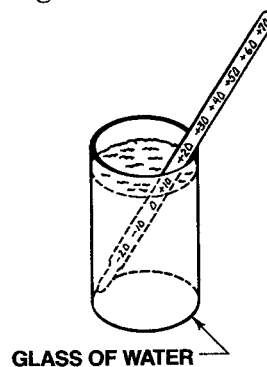


Figure 3.

Energy saver control

During hot, humid weather, any refrigerator will form moisture around doors, similar to condensation that forms on a glass of ice water. Special heaters in the refrigerator cabinet help minimize condensation.

- a. If refrigerator is in a warm, humid area, set control on "Reduces exterior cabinet moisture" (HI) position.
b. If refrigerator is in a cooler, less humid area, set control on "Saves Energy" (LO) position.
c. As weather conditions change, this setting may need to be adjusted. At any time moisture forms on refrigerator cabinet, move control to the "Reduces exterior cabinet moisture" (HI) position. See Figure 4.

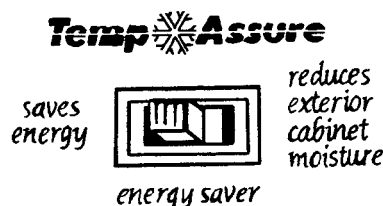
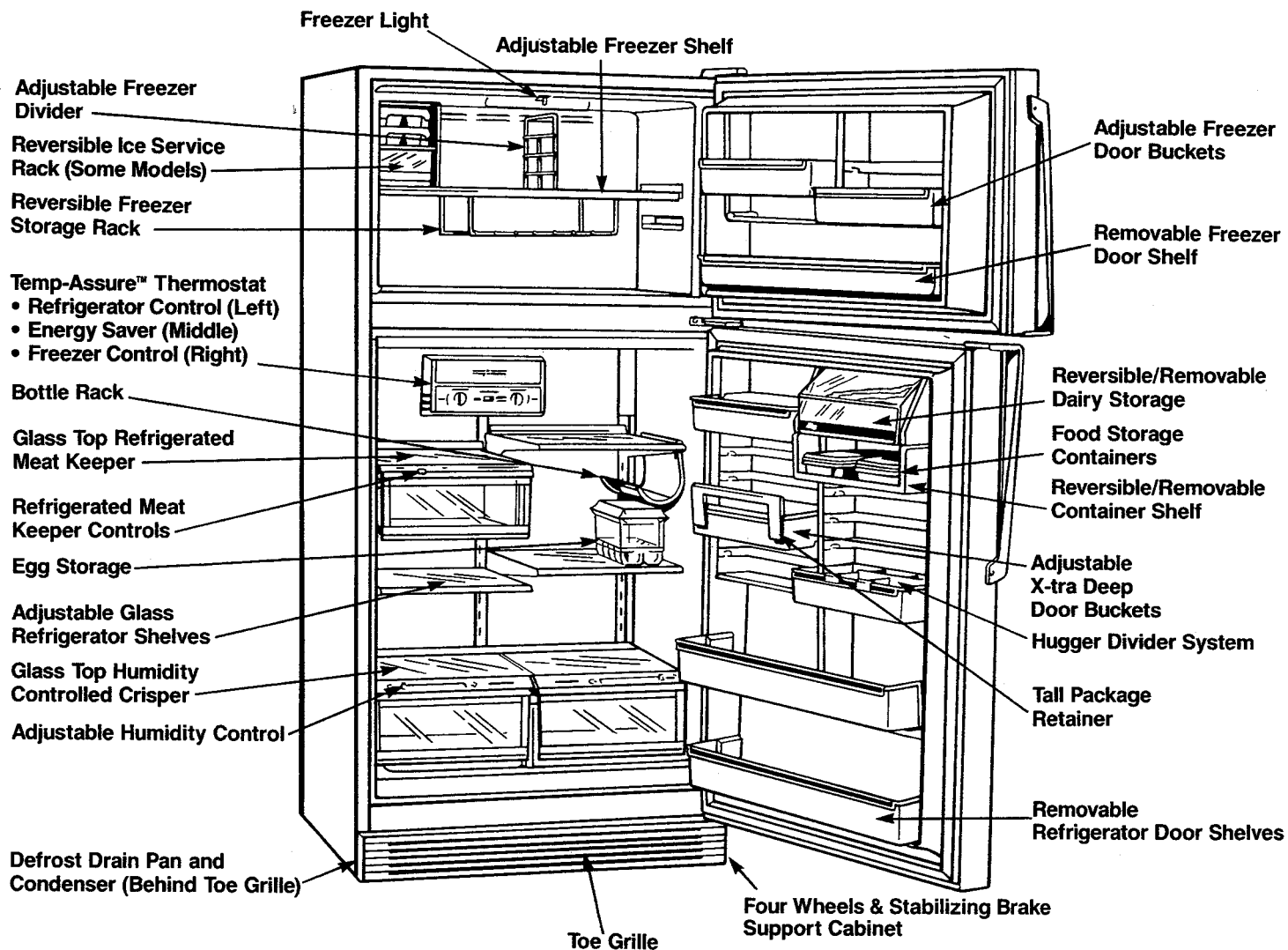


Figure 4.

Refrigerator Features



IMPORTANT NOTE:

*FEATURES MAY VARY FROM MODEL TO MODEL. YOUR REFRIGERATOR MAY NOT HAVE ALL OF THE FEATURES SHOWN.

Figure 5.

Installing and Using Specific Features

Refrigerator

Adjustable cantilever shelves

Shelves can be adjusted to best match size of items stored in refrigerator. These shelves are supported by metal tracks in back of the refrigerator.

- To remove "cantilever" shelves, tap upward at back of shelf, near the metal track. See Figure 6. This will loosen shelf hooks. Lift shelf and pull out.

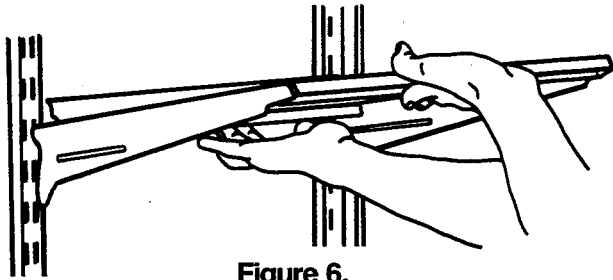


Figure 6.

- To install, tilt shelf so that front is higher than back.
- Insert metal hooks at back of shelf into desired slot in metal track on back wall of refrigerator. See Figure 7.

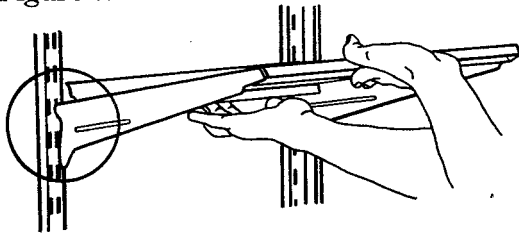


Figure 7.

Refrigerated meat keeper control (some models)

The Refrigerated meat keeper features a drawer inside an outer sleeve. A control, located on front trim, allows you to adjust amount of freezer air circulating between meat keeper and sleeve to keep meat, fish or poultry fresh without drying it out.

- Slide control to left for coldest temperatures (ice crystals may form) and to right for warmer temperatures. See Figure 8.



Figure 8.

- Additional cold air can affect refrigerator compartment so Temp-Assure™ control may need to be adjusted once the meat keeper control is set. See page 4.

To move meat keeper up or down

Meat keeper and attached shelf above it can be moved to any of top three positions in refrigerator.

- Remove meat keeper drawer.
- Tap upward on back of shelf, near metal track. This will loosen shelf hooks.
- Lift shelf and meat keeper sleeve and pull out.
- To reinsert, lift the shelf and sleeve so front is higher than back.
- Insert metal hooks at back of shelf into desired slot in metal track on back wall of refrigerator. (Any of top three slots will work).
- Gently lower shelf front. Tap downward near track until shelf hooks are securely seated and shelf is level.
- Reinsert meat keeper drawer.
- Slide hand along back wall to make sure meat keeper boot is tight against wall.

To move meat keeper to opposite side of refrigerator

- You will need a flat screwdriver, to remove air hole plastic cap. Place tape over end of screwdriver to keep it from scratching refrigerator liner.
- Locate round plastic cap on back right wall of refrigerator. It will be on right side, at a similar height as meat keeper.
- Pull plastic cap from air inlet port in back wall of refrigerator liner.
- Insert metal hooks at back of shelf into desired 1st-3rd slot in metal track on back wall of right side of refrigerator.
- Slide hand along back wall to make sure meat keeper boot is tight against wall.
- Insert round plastic cap in hole now exposed on left side of refrigerator.
- Be sure plastic cap is snugly in place. If left open, cold air from this port will cause food in refrigerator to freeze.

Bottle rack (some models)

This rack can be hung from edge of any shelf, to hold a large bottle within easy reach.

- Locate bottle rack shipped inside crisper drawer.
- Locate tabs on flat edge of bottle rack. Hook these tabs over metal frame on side of any shelf. (Shelf may need to be moved, depending on location).
- Be sure bottle cap is on tightly before placing bottle in rack.

Installing and Using Specific Features (Cont.)

Crisper drawers

Crisper drawers are used to store fresh fruits and vegetables. It is normal for some moisture to accumulate inside drawers. Some models have humidity controls on one or both drawers.

- a. Slide control to high humidity setting for leafy vegetables such as lettuce, spinach or cabbage. See Figure 9.

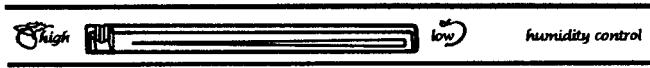


Figure 9.

- b. Slide control to low humidity setting for produce with skins, such as apples, oranges or tomatoes. See Figure 9.

Egg storage

- a. Some models have a take-to-the-counter egg tray or bucket. See Figure 10.

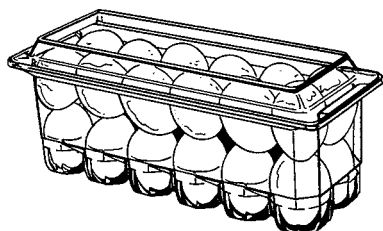


Figure 10.

- b. Others have a molded-in egg nest built into door. Egg storage area will also accept standard egg cartons when tray is removed. To clean tray, hand wash in warm, soapy water.

Adjustable dairy and second serving shelf system

This system comes complete with dairy storage module with lift up door, second serving shelf, and two second serving dishwasher and microwave safe containers. Entire system fits in uppermost groove position on refrigerator door and can be placed on either right or left side of center divider on door.

- a. **To remove** dairy and second serving areas, first remove all food.
- b. Lift up dairy door.
- c. Push lock tabs in dairy compartment toward center with thumbs or forefingers. See Figure 11.

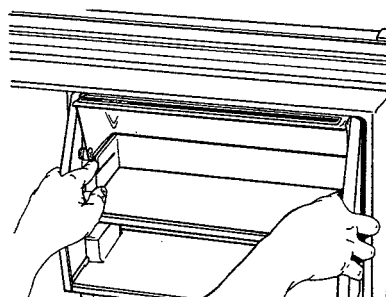


Figure 11.

- d. While holding in lock tabs, pull dairy and second serving shelf system straight out. See Figure 12.

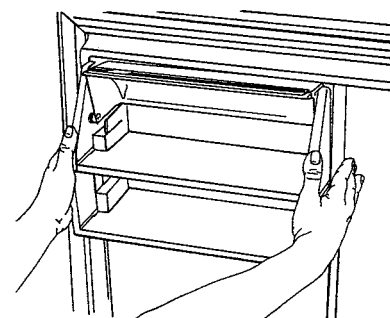


Figure 12.

- e. **To install** adjustable dairy and second serving shelf system slide system into top groove area until tabs lock into place.

Second serving shelf

Second serving shelf holds two leftover containers. Shelf attaches to dairy module and is easily removed. For added storage, additional second serving shelves may be purchased (at extra cost). They attach to first shelf.

- a. **To remove** second serving shelf first remove food from dairy module and second serving shelf.
- b. Remove entire dairy and second serving system from refrigerator door. See instructions on this page.
- c. Grasp top of each side of second serving shelf.
- d. Flex out slightly to release second serving shelf tab from dairy module slot. See Figure 13.

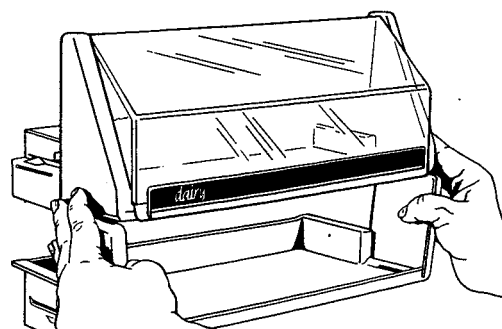


Figure 13.

Installing and Using Specific Features (Cont.)

e. Gently pull down. See Figure 14.

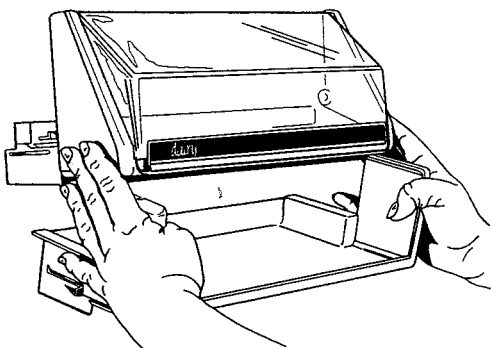


Figure 14.

- f. **To replace second serving shelf**, grasp one side of shelf.
- g. Place tab at top of the second serving shelf into slot underneath dairy module.
- h. Press inward gently to secure.
- i. Flex other side of shelf out slightly.
- j. Slide tab of second serving shelf into slot underneath the dairy module.
- k. Press inward gently to secure.

Deep door buckets

Three adjustable deep door buckets on refrigerator door allow for easy storage of six-pack or gallon size items. See Figure 15.



Figure 15.

- a. **To remove door buckets**, remove food from all buckets.

b. Push lock tabs toward center with your thumbs and forefingers. See Figure 16.

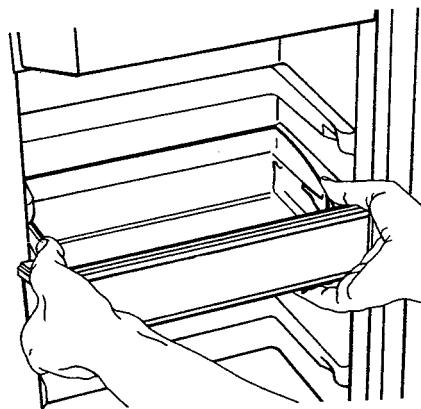


Figure 16.

c. Pull bucket straight out. See Figure 17.

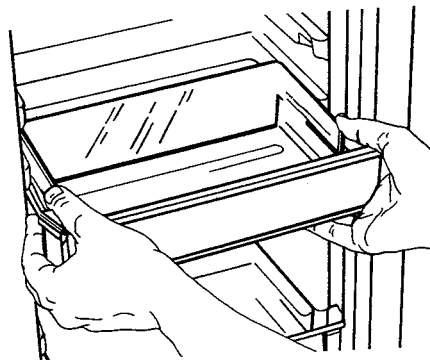


Figure 17.

d. **To install**, slide bucket into grooved area until tabs lock into place. See Figure 18.

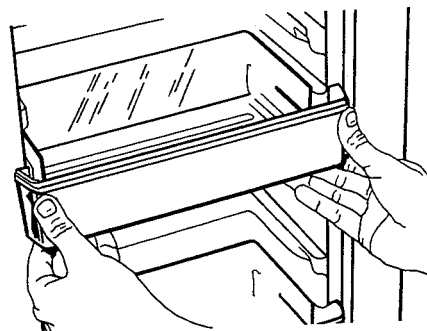


Figure 18.

Installing and Using Specific Features (cont.)

Tall package retainer

Allows you to place tall packages or containers in door buckets or door shelves. Retainer keeps packages securely in place.

- a. To remove, lift straight up. See Figure 19.

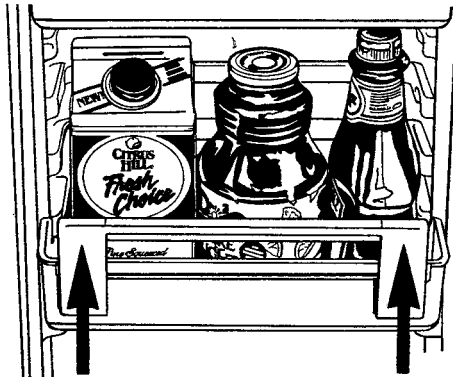


Figure 19.

Hugger divider system

Two huggers and a center divider make up hugger divider system. Huggers can be used independently or in conjunction with center divider.

- a. Position huggers in slots on either end of center divider to accommodate a two liter bottle.
- b. Divide bucket or door retainer into smaller sections by placing slots of center divider in slots located in middle of each hugger. See Figure 20.



Figure 20.

Freezer

Free-O'-Frost™ system

Freezer and refrigerator sections are completely frost free. The Amana Frost-Magnet® evaporator coil in back wall stops frost before it starts. Under normal operating conditions, you'll never have to defrost refrigerator or freezer, because it's automatic.

Ice cube trays (some models)

- a. To release ice cubes, grasp both ends of tray.
- b. Twist in opposite directions until ice pops out. See Figure 21.

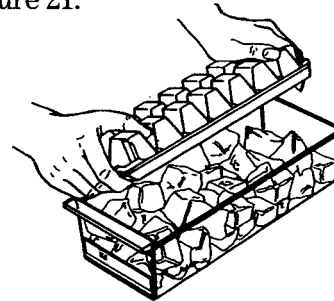


Figure 21.

- c. Some models have a portable ice bucket to store ice.

Ice service rack (some models)

Some models have an ice service rack. Ice service rack has a drawer to store ice.

- a. To move ice service rack to right of freezer, first remove ice trays and drawer.
- b. Slide rack about $\frac{3}{8}$ " (9.5 mm) toward front of freezer, until screws are in middle mounting holes.
- c. Gently pull rack away from wall of freezer to remove from screws.
- d. Remove screws from wall of freezer.
- e. Using a flat screwdriver covered with tape (to keep from scratching wall), gently pry plastic plugs from opposite wall of freezer.
- f. Replace plastic plugs with screws and vice versa.
- g. Line up middle mounting holes in side of ice service rack with screws on right side of freezer. Gently slide ice service rack back about $\frac{3}{8}$ " (9.5 mm).
- h. Replace ice cube trays and drawer.

Automatic icemaker (some models)

Some models have an automatic icemaker already installed. Other models have a connection in the freezer back wall for installation of an optional icemaker, available at extra cost from your Amana dealer.

- a. Put the ice bin under the icemaker.
- b. Lower wire "arm" to start ice production.
- c. First batch of ice will normally be produced within 12 hours of installation.
- d. Discard first several batches of ice, so that any impurities in water line or icemaker will not be consumed.
- e. To **stop** ice production, raise "arm" of icemaker until it locks in position.
- f. No ice will be produced while icemaker "arm" is in raised position.

Installing and Using Specific Features (cont.)

Adjustable freezer shelf

A removable shelf is installed on supports in freezer side wall.

- To change freezer shelf position — first remove packages from shelf.
- Raise one end of shelf.
- Move other end of shelf away from side wall.
- Insert lower end of freezer shelf into desired position.
- Move upper end downward into freezer side wall support.

Freezer shelf divider (some models)

Some models have a freezer shelf divider to separate frozen food on top of shelf.

- To move divider to a different location, first press down on divider and slide forward about 1" to unhook middle wire.
- Move divider to new position, positioning ends of divider base under freezer shelf wires.
- Press down on divider and slide backward, to hook middle wire and stabilize divider.

Adjustable freezer door buckets and shelves

There are two deep door buckets and one full-width door shelf located on freezer door for convenient storage.

- Buckets and shelves can be removed for easy cleaning. To remove, follow directions in step A-C on page 8.

Reversible freezer storage rack

Reversible freezer storage rack may be placed on top of or underneath freezer shelf to be used to organize and separate frozen foods. See Figure 22.

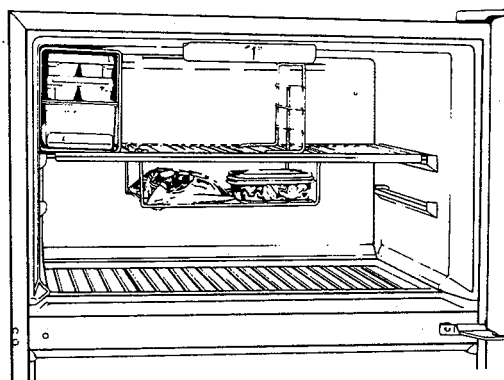


Figure 22.

- To remove storage rack, first remove food from rack.
- Hold each end of rack and push rack to right to release rack slot from wire shelf.
- Pull down if located under freezer shelf. Lift up if located above freezer shelf.
- To replace storage rack, position rack on top of or underneath freezer shelf between shelf wires.
- Center slot of rack should be positioned on top of or underneath center wire of freezer shelf.
- Lock into place by pushing rack to left. Be sure round knobs are securely in place. See Figure 23.

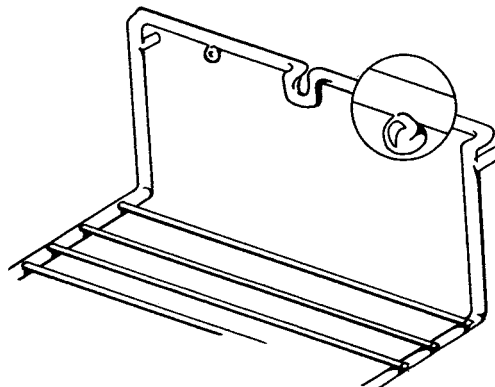


Figure 23.

- Rack should not move left or right.

Other Features

Decorator doors

Door fronts of most refrigerators can be decorated with panels to accent your kitchen decor. Trim kits can be purchased separately from your Amana dealer.

- Basic $\frac{1}{16}$ " (1.6 mm) trim kit attaches to door edges and can accommodate $\frac{1}{16}$ " (1.6 mm) thick panels.
- For panels that are $\frac{1}{4}$ " (6.4 mm) thick, an additional trim kit is required. $\frac{1}{4}$ " (6.4 mm) kit attaches to panels and slides tongue-in-groove fashion into $\frac{1}{16}$ " (1.6 mm) trim, which must be installed on doors first.
- Ask your Amana dealer about panel availability on special models or you may supply your own panels.
- Amana does not supply custom panels.

Normal Operating Sounds Of Today's Refrigerators

Your new refrigerator may be replacing a differently designed, smaller refrigerator or a refrigerator which operated less efficiently. Today's refrigerators have new features such as automatic icemakers and automatic defrost. They also are designed to be more

energy efficient and operate as economically as possible. With this new design, you may hear sounds which are unfamiliar to you, yet they are quite normal and do **NOT** require a service call.

ICE MAKER

Ice cubes will drop out of the automatic ice maker into the ice bucket. (Only on models equipped with an automatic ice maker.)

FREEZER CONTROL

The freezer control will click when starting or stopping the compressor.

COMPRESSOR

The new high efficiency compressor runs faster and will have a higher pitch hum or pulsating sound while operating.

DEFROST DRAIN PAN

Defrost water falls into the drain pan during the defrost cycle. The drain pan must be positioned between the retainers or the drain pan may rattle.

DEFROST TIMER

The automatic defrost timer sounds like an electric clock and snaps in and out of the defrost cycle.

FREEZER FAN

The fan circulates cold air to cool the refrigerator and the freezer compartment and sounds like air rushing or a whirring sound.

EVAPORATOR

The flow of refrigerant through the freezer cooling coil sounds like boiling water or a gurgling noise.

DEFROST HEATER

Water dropping on the defrost heater causes a sizzling, hissing or popping sound during the defrost cycle.

CONDENSER FAN

The outside condenser fan circulates air to cool the condenser and makes a whirring sound.

ICE MAKER WATER VALVE HOOK-UP

The water valve will buzz when the ice maker fills with water. This occurs whether or not the refrigerator is connected to the household water supply. In the event your refrigerator has not been hooked up to water, you can stop the sound by raising the Ice Maker shut off arm to the 'up' position. (Only on models equipped with an automatic ice maker.)

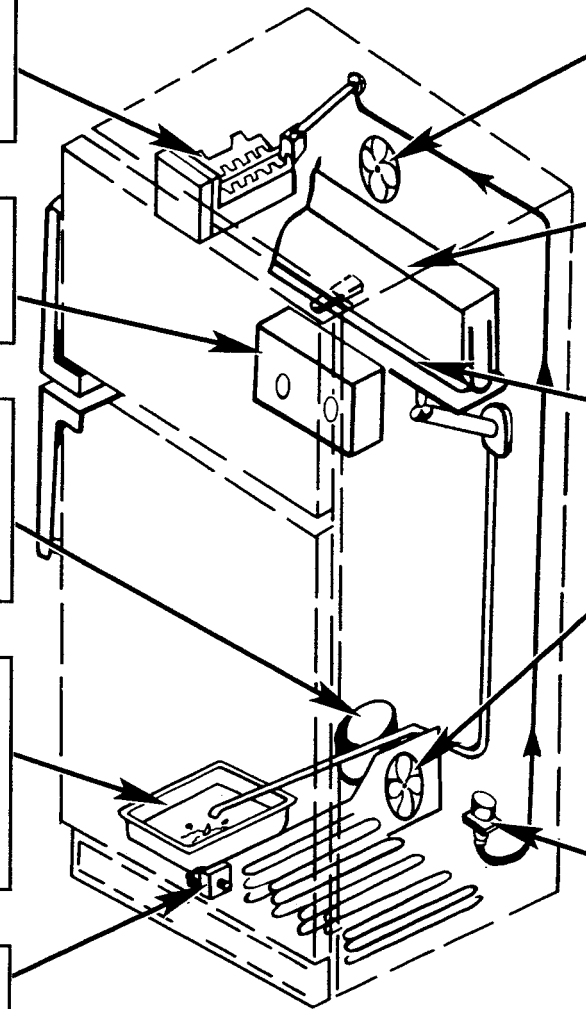


Figure 24.

INSULATION

Foam insulation is very energy efficient and has excellent insulating capabilities; however it does not provide the high level of sound insulation provided by the less efficient fiberglass insulation once used by manufacturers.

All of these sounds are normal and will soon become familiar. They indicate the unit is operating and performing as designed.

Care and Cleaning Of Your Refrigerator

Exterior

- Wash refrigerator cabinet with warm, soapy water as needed.
- Do not use:**
 - Concentrated liquid dishwashing detergent (Dilute with warm water before using.)
 - Abrasive cleaners such as COMET, AJAX, etc.
 - Solvents
 - Metal scouring padsThese can cause surfaces to scratch, crack and discolor.

Adhesives

- To remove** glue from stickers, labels and strapping tape, dab non-abrasive toothpaste over adhesive.
- Rub adhesive with fingers and rinse.

Interior

CAUTION:
TO AVOID ELECTRICAL SHOCK: Unplug power cord or open household circuit breaker to refrigerator before replacing a burned out light bulb or before cleaning. After cleaning or changing light bulb, reconnect power.

- Wash with warm, soapy water.
- Rinse and dry.
- Do not** use abrasive heavy-duty powders such as AJAX or COMET.
- Avoid metal or abrasive cleaning pads.
- Do not** use concentrated liquid detergent (Dissolve in warm water before using). These cleaners may cause scratching, cracking or discoloration.
- Butter dish, and "second serving" leftover containers can be washed in an automatic dishwasher (top rack). Other parts should be hand washed.

Adhesives

- To remove** glue from stickers and labels placed on inside of refrigerator, dab non-abrasive toothpaste over adhesive.
- Rub the adhesive with fingers and rinse.

Dairy Storage Door

- Lift door up.
- Place forefingers on either side of door near hinge where dairy door and refrigerator liner connect.
- Flex in slightly.
- Pull out.

Second serving containers

- Containers are microwave safe.
- Follow manufacturer's instructions when using containers to **REHEAT** food in a microwave oven.
- Containers are dishwasher safe. Always place in top rack of dishwasher.
- If containers should stain, follow manufacturer's instructions for cleaning.

Deep door shelves

There are two door shelves on refrigerator door that remove for easy cleaning.

- Grasp each side of retainer.
- Pull shelf straight up. See Figure 25.

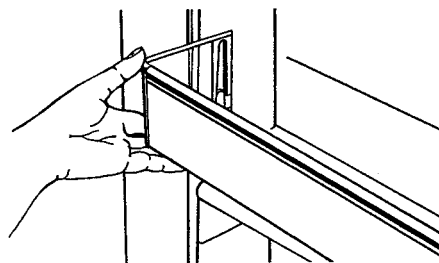


Figure 25.

- Then pull out to remove. See Figure 26.

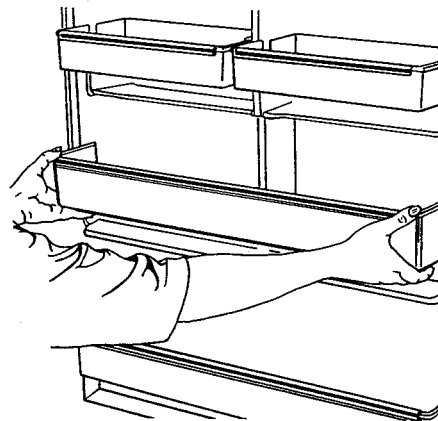


Figure 26.

Crisper drawer removal

Crisper drawers can be removed, even when door is opened at a 90° angle, for easy cleaning.

- Remove food from crisper drawer.
- Remove food from shelves located above crisper drawer and below meat keeper.
- NOTE:** It may be necessary to remove cantilever shelves located above crisper drawers in order to remove bottom glass shelf.
- Open drawer of left* hand crisper.
- Place one hand underneath glass shelf and push up.

Cleaning

- f. Grasp shelf with other hand and tilt glass upward at one end and remove from refrigerator. See Figure 27.

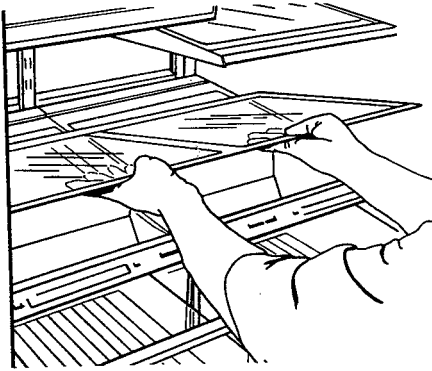


Figure 27.

- g. Remove crisper system on left* side by grasping and lifting up top front with one hand while reaching underneath drawer and pushing up with other hand. See Figure 28.

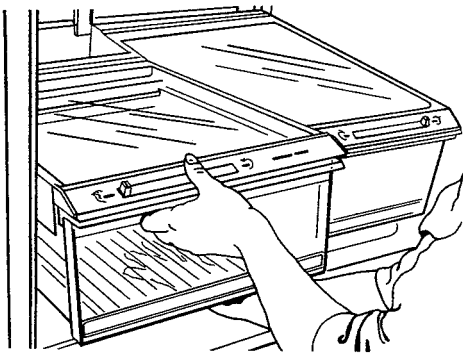


Figure 28.

*For refrigerators hinged on left use crisper on right.

- h. Remove crisper from support which fits into recess at bottom center of refrigerator. See Figure 29.

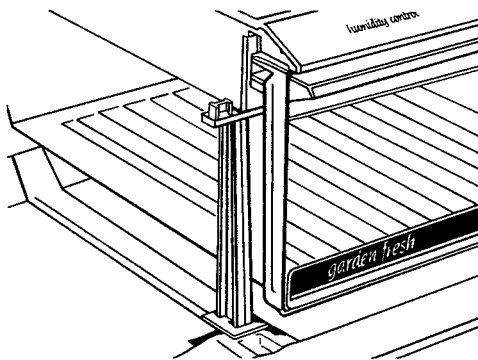


Figure 29.

- i. Slide other crisper system to left* and slide out. See Figure 30.

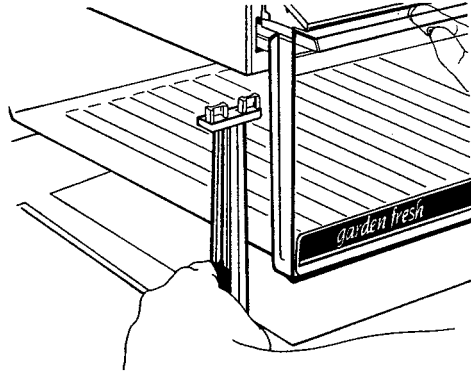


Figure 30.

*For refrigerators hinged on left use crisper on right.

- j. Reverse procedure to replace crisper drawers.

Crisper glass shelf removal

⚠ CAUTION:

Handle Tempered Glass shelves with care. Chipping or scratching may cause them to break suddenly. Do not expose shelves to rapid temperature changes. Replace immediately if scratched or chipped.

- Remove food from crisper drawer, and from shelves located above crisper drawer and below meat keeper. **Note:** It may be necessary to remove cantilever shelves located above crisper drawers in order to remove bottom glass shelf.
- Open drawer of left* hand crisper. Place one hand underneath the glass shelf. Push up. Grasp shelf with other hand. Tilt glass upperward at one end and remove from refrigerator. See Figure 31.

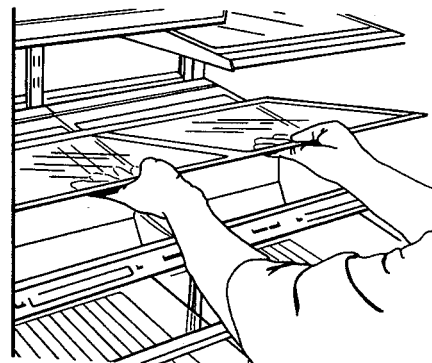


Figure 31

- Place shelf on a dish towel. Wash shelf with warm soapy water. Rinse and dry thoroughly.
 - Reverse procedure to replace bottom glass shelf.
- *For refrigerators hinged on the left use crisper on the right.

Cleaning (Cont.)

Odor Removal

- Disconnect electrical power plug.
- Remove all food.
- Thoroughly wash inside, including all shelves, drawers, accessories and gaskets, with a mixture of 4 tablespoons of baking soda dissolved in a quart of warm water. Pay special attention to any corners, crevices or grooves into which odor-causing liquids may have seeped.
- Dry thoroughly.
- Return food to refrigerator, washing off all bottles, jars and containers before placing them into refrigerator and freezer.
- Plug in refrigerator. Wait 24 hours before checking to see if odor has been eliminated. If odor is still present, please call the Amana Consumer Information Line toll free (1-800-843-0304) for additional cleaning methods.

Door gaskets

- Clean refrigerator and freezer gaskets at least twice a year with a mild detergent diluted in water.
- Do not** clean with cleaners which contain ammonia or chlorine bleach.
- Rinse and dry.
- Apply a light film of petroleum jelly to gaskets to help keep them soft and pliable.

Mechanical

Condenser coil and drain pan

It is important to clean condenser coil of any refrigerator every three months. Dust and lint will:

- reduce cooling performance.
- cause refrigerator to waste energy and
- shorten life of the compressor and other components.

Energy Tips

Your Amana refrigerator is designed to be one of the most energy efficient refrigerators available. You can help reduce energy use by following these suggestions:

- Set freezer, refrigerator and meat keeper controls so compartments are no colder than necessary. See page 4 for details.
- Your refrigerator will use less energy if freezer section is kept full. A full freezer helps maintain frozen temperatures when door is opened.
- Keep door gaskets clean. Replace worn door gaskets. If door gaskets become dirty and worn,

- Grasp toe grille at each end. Pull forward to remove.
- Remove drain pan on left, bottom side of refrigerator.
- Wash drain pan in warm, soapy water. Rinse and dry.
- Use a long-handled bottle brush and a vacuum cleaner hose nozzle to remove dust and lint from condenser coil at bottom of refrigerator. (A special brush can be purchased from your Amana dealer — part no. R1930-4.)
- Replace drain pan, making sure pan is securely positioned in side supports. (If it is not correctly positioned, water from defrost drain can spill on floor and drain pan will rattle.)
- Matching toe grille tabs with square holes in cabinet bottom, snap toe grille into place.

Light bulb

You will need a 40 watt appliance bulb such as:

Amana #A0282803
GE or Westinghouse #40A15/1
Sylvania #40A15

These can usually be purchased from your appliance dealer or a hardware store.

- Disconnect power to unit.
- Allow bulb to cool.
- Wear gloves to protect your hand should bulb break.
- Unscrew light bulb by rotating top of bulb toward you.
- Screw new bulb in place, rotating top of bulb away from you.
- Plug in refrigerator.

cold air can leak out and cause refrigerator to use more energy.

- Block heat and sunlight. Install your refrigerator away from heat sources and direct sunlight.
- Clean condenser. A dirty condenser will cause refrigerator to use more energy. See page 14 for cleaning instructions.
- Use the Energy Saver Control when humidity is low. This control regulates heaters which reduce condensation during periods of high humidity. In periods of low humidity this control can be set to "Saves Energy" position. See page 4.

Vacation Tips

- a. Remove perishable foods from refrigerator.
- b. If you have an icemaker, shut it off. Move wire "arm" to upper position. Turn the water supply to refrigerator off at the saddle valve.
- c. If leaving for an extended period —
 - empty refrigerator
 - unplug it
 - clean it
 - prop door open, so air can circulate inside
 - if refrigerator has an automatic icemaker, turn off water supply to refrigerator.

Before Calling For Service:

You may save time and expense of a service call by checking for these common problems **before you call for service.**

Refrigerator does not operate	<ul style="list-style-type: none"> • Does the light work? A dim light indicates low voltage or a weak bulb. • Is the electric power cord plugged in? • Is a fuse or circuit breaker open? Check by plugging in another appliance or lamp at the same wall outlet. • If the lights work and the freezer control is on, but the two fans and compressor are not operating, the refrigerator is likely in the defrost cycle. Wait 40 minutes to see if the refrigerator will restart. If it does not, remove the toe grille. The defrost timer is located behind the grille. Turn the timer knob clockwise until you hear a click. The compressor should then start.
If the refrigerator still won't operate	<ul style="list-style-type: none"> • Unplug the refrigerator and take the steps necessary to preserve the food stored in the refrigerator. Dry ice may be placed in the freezer section of the refrigerator to preserve food until the refrigerator can be serviced. Doors should be left closed until refrigerator has been repaired. Your product warranty does not cover food loss. • If you have questions regarding the steps above, call Amana's Consumer Information Line Toll Free 1-800-843-0304. • Call your nearest Amana dealer or authorized service center listed in the Yellow Pages.
If food temperature appears too warm	<ul style="list-style-type: none"> • See section 1 above. • Have you recently added a large supply of food? Allow adequate time for the food to reach freezing temperature. • Are any wire shelves covered with foil or plastic, preventing proper air flow. • Is the condenser coil area clean? (See page 14.) • Adjust refrigerator and/or freezer controls. (See page 4.)
If the refrigerator has an odor	<ul style="list-style-type: none"> • Clean the inside of your refrigerator/freezer. (See page 12.) • Clean drain pan.
If the refrigerated meat keeper is too warm	<ul style="list-style-type: none"> • Is the meat keeper positioned in the proper place with the air supply hole lined up with the inlet tube on back of the refrigerator? • Slide meat keeper control to a colder setting. • Adjust freezer control to colder setting. • Is the cap in place over unused meat keeper air supply hole? (See page 6.)

If the refrigerator food temperature is too cold	<ul style="list-style-type: none"> • Check meat keeper assembly. • Check meat keeper assembly to see that inlet tube is in proper place over the air supply hole on back wall of the refrigerator. If it is not properly connected, freezer air will spill into the refrigerator section causing freezing. • If meat keeper has been moved, did you forget to place the plastic cap over the hole in the liner back wall? (See page 6). • Is condenser coil area clean? (See page 14). • Are any wire shelves covered with foil or plastic, preventing proper air flow? • Adjust refrigerator control. (See page 4). • Adjust freezer control to warmer setting. Allow several hours for temperature to adjust.
If the refrigerator runs too much or too frequently	<ul style="list-style-type: none"> • It may be normal to maintain an even temperature. • Is condenser area clean? (See page 14). • Have doors been opened frequently or for an extended period of time? • Is freezer running too cold? Adjust freezer control. (See page 4). • Check door alignment and gasket seal for proper closure.
If the refrigerator makes unfamiliar sounds or seems too noisy	<ul style="list-style-type: none"> • These may be normal operating sounds. Refer to page 11 for information on sounds the unit may make.
If you hear running water in the refrigerator	<ul style="list-style-type: none"> • This is normal when the icemaker fills. • This is normal when the unit defrosts and water drops into the defrost drain pan.
If you hear periodic buzzing	<ul style="list-style-type: none"> • This is normal in refrigerators with an automatic icemaker. The water valve will buzz when energized to refill the ice maker.
If water droplets 'condensate' form on the inside of the refrigerator	<ul style="list-style-type: none"> • This is normal during periods of high humidity or during heavy usage.
If water droplets 'condensate' form on the outside of the refrigerator	<ul style="list-style-type: none"> • Is Energy Saver Control on highest setting? This will help reduce condensate. • Check door alignment and gasket seal for proper closure.
If the crisper or meat keeper drawers do not close freely	<ul style="list-style-type: none"> • Check for a package which may be keeping it from closing properly. • Check to confirm drawer is in proper position in the assembly. • Clean drawer channels with warm, soapy water. • Apply a thin layer of petroleum jelly to slide channels. • Make sure refrigerator is level.
If there is water on the floor beneath the refrigerator	<ul style="list-style-type: none"> • The defrost drain pan may be missing or not properly positioned (See instructions, page 14.)

If there is an odor in the refrigerator or ice cubes	<ul style="list-style-type: none"> • Clean refrigerator and freezer. (See page 12.) • Cover all foods tightly. • Use freezer containers or freezer wrap.
If ice cubes stick together or 'shrink'	<ul style="list-style-type: none"> • Ice cubes may stick together or shrink if used infrequently. This is caused by air movement in the freezer, and does not indicate a malfunction. • Empty ice cube bucket or trays more frequently.
If ice forms in the fill tube to the icemaker	<ul style="list-style-type: none"> • This indicates there is sediment in the valve, which kept the valve from closing. An in-line water filter should be added. If the problem persists, the valve will need to be cleaned or changed.
If the light bulb needs replacing	<ul style="list-style-type: none"> • See instructions for changing on page 14.

If you have any questions regarding the above, or need help in locating your nearest servicer, call Amana's Consumer Information Line Toll Free 1-800-843-0304.

Refrigerator Warranty

Owner's Responsibility

- Secure proper installation of the refrigerator through an authorized Amana installer.
- Provide normal care and maintenance.
- Provide proof of purchase (sales receipt or canceled check) upon request.
- Replace light bulbs, shelves, drawers or other owner replaceable items, following instructions in use and care manual.
- Have appliance reasonably accessible for service.

What Is Covered

Full One-Year Warranty

For one year from date of original purchase we will provide, free of charge, parts and service labor in your home to repair or replace **any part of the refrigerator** that fails because of a manufacturing defect.

Full Five-Year Warranty

For five years from date of original purchase, we will provide, free of charge, parts and service labor in your home to repair or replace **any part of the sealed refrigerating system** (the compressor, condenser, evaporator and all connecting tubing) that fails because of a manufacturing defect.

We will also repair, free of charge, any defective food compartment liner. The door liner is covered only in the first year.

An automatic icemaker will be considered part of the refrigerator for warranty purposes when purchased with the refrigerator and installed at the factory or by the dealer.

This warranty is extended to the original purchaser for products purchased for ordinary home use in the U.S. and Canada.

However, in Alaska, U.S. territories and Canada, the warranty in the second thru fifth years is **LIMITED** because you must pay to ship the product to the service shop or for the service technician's travel costs to your home.

All warranted service must be performed by an authorized Amana servicer. Service will be provided during normal business hours.

Look in the White or Yellow Pages of your telephone directory for authorized Amana servicers.

What Is Not Covered

- Service trips to your home to teach you how to use the product.

Read your Use and Care Guide. If you then have any questions about operating the product, please contact your dealer or our Consumer Affairs office at:

Amana Refrigeration, Inc.
Amana, Iowa 52204

or call, toll free:

1-800-843-0304

8:00 a.m.-4:30 p.m. CST

Weekdays

(Note: Toll free number is only available in the U.S.)

- Improper installation.

If you have an installation problem, contact your dealer or installer. Your dealer or installer is responsible for the correct installation of your refrigerator. You are responsible for providing adequate electrical, and plumbing hookups.

- Replacement house fuses or resetting of circuit breakers.
- Failure of the product if it is used for other than its intended purpose or if used for other than normal home use.
- Damage to product caused by accident, fire, floods or acts of God.

AMANA REFRIGERATION, INC. IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES*.

*Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are in your state, consult your local or state consumer affairs office or your state's Attorney General.



Rest assured against unexpected repair bills!

EXTENDED SERVICE PLAN

Amana is pleased to offer longer-term service protection on your new Amana refrigerator. The Amana Asure Extended Service Plan is specially designed to supplement Amana's strong refrigerator warranty. It combines with this standard warranty to provide budget-protecting coverage on your refrigerator for up to five full years, covering parts, labor and travel charges.

Your participating Amana dealer has details. Or contact us:

**Amana Refrigeration, Inc.
Customer Service Department
Amana, IA 52204**

 **CONSUMER INFORMATION LINE
AMANA TOLL FREE
1-800-843-0304**